KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type rest	1,				(1)	366 11151111111	IONS ON MOV	9159 <i>31</i> 09	,					
Open Flow Deliverability				Test Date: 12/22/10				API No. 15 15-007-23192-0000						
Company WOOLS		PER	ATING CO	MPANY, LLC			Lease BOWER	-:		_	2	Well Nu	mber	
County Location BARBER 680' FNL & 111			_	Section 26		TWP RNG (E 33S 11W		RNG (E/V	V)		Acres A	Attributed		
Field ROUNDUP			Reservoir MISSIS:					ering Conne	ection					
Completion Date 10/9/07			Plug Bac 4897	Plug Back Total Depth 4897			Packer Se NONE							
Casing Size Weight 4.500 10.500				Internal D 4.052	Diameter			Perfora		то 4616				
Tubing Size Weight 2.375 4.70			1	Internal E	Diameter	Set at 4654		Perforations Open		То				
Type Completion (Describe) SINGLE				Type Fluid Production Gas, WATER				Pump Unit or Traveling Plunger? Yes / No PUMPING						
Producing ANNUL	_	(Anı	nulus / Tubing	1)	% C	arbon Dioxid	de		% Nitroge	n	Gas G	ravity - (3,	
Vertical D		1)				Press FLAN	sure Taps NGE				(Meter	Run) (P	rover) Size	
Pressure	Buildu	p :	Shut in 12/	21/10 2	0 at		(AM) (PM)	Taken_12	2/22/10	20	at		(AM) (PM)	
Well on Line:			Started 20											
			•			OBSERVE	D SURFACE	DATA			Duration of Shut	-in	Hou:	
Static / Dynamic Property	ynamic Size		Circle one: Meter Prover Pressu psig (Pm)	Pressure Differential In Inches H ₂ 0	Flowing Well Head Temperature t		Casing Wellhead Pressure $(P_w) \propto (P_t) \propto (P_a)$		Tubing Wellhead Pressure (P _w) or (P _t) or (P _c)		Duration (Hours)		Liquid Produced (Barrels)	
Shut-In	ut-In		pary (rm/	Wildings 1120			560	psia	psig 60	psla	24	†		
Flow													· · · · · · · · · · · · · · · · · · ·	
	·			T		FLOW STR	EAM ATTRI	BUTES						
Plate Coefficient (F _b) (F _p) Mcfd		Pro	Circle one: Meter or over Pressure psla	Press Extension ✓ P _m x h	xtension Fact		Temperature F		viation Metered Flor actor R F _{pv} (Mcfd)		v GOR (Cubic Fo Barrel	eet/	Flowing Fluid Gravity G _m	
					(OPEN FL	OW) (DELIV	ERABILITY)	CALCUL	ATIONS		/D			
(P _c) ² =		<u>_:</u>	(P _w) ² =		P _d =	9	% (P	- 14.4) +	14.4 =	<u> </u> :) ² = 0.2) ² =	.07	
$(P_a)^2 - (P_a)^2$ or $(P_a)^2 - (P_d)^2$		(P _a) ² - (P _u) ²		Choose formula 1 or 2 1. P _a ² - P _a ² 2. P _c ² - P _d ² divided by: P _c ² - P _d	LOG of formula 1, or 2, and divide			ssure Curve pe = "n" -or signed ard Slope		og []	Antilog	Del Equals	pen Flow liverability s R x Antiloq (Mcfd)	
				· · ·	-									
Open Flow			Mcfd @ 14.65 psia				Deliverability				Mcfd @ 14 65 ps	 d ② 14.65 psia		
·		igne	d authority, o		· · ·	states that h			o make the		rt and that he h		to ephely	
		_	Ť	aid report is tru			· ·	<u> </u>	day of DE	CEMBER	()		20 10	
·	-		Witness (f any)			_		Zim.	Alla For	Xypany			
			For Comm	xission			_			Chec	cked by			

exempt status and that the fo correct to the b of equipment in	under penalty of perjury under the laws of the state of Kansas that I am authorized to request under Rule K.A.R. 82-3-304 on behalf of the operator WOOLSEY OPERATING CO., LLC pregoing pressure information and statements contained on this application form are true and pest of my knowledge and belief based upon available production summaries and lease records installation and/or upon type of completion or upon use being made of the gas well herein named. Equest a one-year exemption from open flow testing for the BOWER 2
	e grounds that said well:
[[[is a coalbed methane producer is cycled on plunger lift due to water is a source of natural gas for injection into an oil reservoir undergoing ER is on vacuum at the present time; KCC approval Docket No is not capable of producing at a daily rate in excess of 250 mcf/D gree to supply to the best of my ability any and all supporting documents deemed by Commission
staff as neces	sary to corroborate this claim for exemption from testing.
Date: _12/28/10	0
	Signature: Win Hallack Title: FIELD MGR.

Instructions:

If a gas well meets one of the eligibility criteria set out in KCC regulation K.A.R. 82-3-304, the operator may complete the statement provided above in order to claim exempt status for the gas well.

At some point during the current calendar year, wellhead shut-in pressure shall have been measured after a minimum of 24 hours shut-in/buildup time and shall be reported on the front side of this form under **OBSERVED SURFACE DATA**. Shut-in pressure shall thereafter be reported yearly in the same manner for so long as the gas well continues to meet the eligibility criterion or until the claim of eligibility for exemption **IS** denied.

The G-2 form conveying the newest shut-in pressure reading shall be filed with the Wichita office no later than December 31 of the year for which it's intended to acquire exempt status for the subject well. The form must be signed and dated on the front side as though it was a verified report of annual test results.